

ATLANTA'S INDUSTRIES

A THESIS

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By

Donald B. Wilcox

Georgia School of Technology
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INTRODUCTION

Atlanta, Georgia has long enjoyed the reputation of being an outstanding distribution center of the south. Its strategic location has encouraged many nationally prominent concerns to focus their southern and southeastern activities through the lens of this metropolis. Situated as it is, at the intersection of the more important railroad trunks running from the middle west to the important Florida territory and from the northeastern area of this country to the entire south, Atlanta is the natural choice for such location.

A point however, which has but recently come to the attention of those concerned, is the rapidly increasing prominence of this metropolis as a manufacturing field. Labor of many varied types may be procured at somewhat lower wages than elsewhere, there is relatively little industrial strife, and the market for manufactured goods is far from saturated. Raw materials are to be found nearby at a cost which compares most favorably with many other sections of this country. Industries which require water in their processes will find the purity of the local supply to excel that of many other localities. The moderate climate the year around is another factor conducive to the efficient, economical production of quality merchandise.

The question arises as to the growth of this industrial phase of Atlanta's history. What is the present situation, and what is the probable outlook? It is the aim of this thesis to throw some light on these interesting aspects. In the first place it must be explained that in tracing the development of any economic phenomenon such as this, many possibilities are open to the investigator and many are the pitfalls which await the impetuous theorist who would explain all things in terms of trends and "Laws" of economics, important as these tools may be. The personal equation must always be reckoned with and the human nature involved in all business and industrial transactions will defeat the most scientific prediction which has left this loophole open. Unforeseen political events, national emergencies, and even Dame Fashion will skew the most carefully mapped curve of pre-destined economics. Who, for instance, foresaw the demise of the woollen stocking industry, a quarter of a century ago? At that time many factories, now deserted, were much more concerned with the problem of how they might expand their productive capacity.

It must be admitted however, that despite the many setbacks which economic progress may suffer, it marches ruthlessly, relentlessly and irresistably forward and onward and upward. The familiar concept of depression-prosperity cycles, if sufficiently studied will bear out this statement.

Despite the greatest financial catastrophe that the world has ever known, in the form of the depression of 1929, we are far better off today than we ever were at the bottom-most point of the cycles which led up to this major break. This phenomenon has been variously termed, but perhaps the most descriptive appellation is that of the Wave Principle. Mr. R. N. Elliott, writing in the April 5, 1939 issue of the Financial World, describes it thus:

"When the (final upward surge) has spent its force, a formidable top has been constructed. Upon completion of a movement of this magnitude, the destructive forces become dominant."

This same authority then proceeds to explain that the subsequent loss seldom equals previous gains, and the rhythmic wave pattern starts anew from the vantage point thus gained.

Even human growth and development itself can be seen to follow this wave pattern. Trace the ego of any adolescent boy as he is first a grammar school graduate, then drops to the estate of a freshman at high school. Next, after four years of effort and the crest of graduation, his importance takes another setback as a college "rat." Note that each development has been such that the subsequent drop leaves our adolescent at a higher level of development. So it is with economics.

The important thing then is not the dips and swells on the surface of the industrial stream, but the underlying trend or current of the movement. Has it the characteristics of normal growth and development?

The city of Atlanta shows in the history of its industrial development many symptoms of unmistakable and unquestionable normal growth. The recurring periods of decreased rate of productive expansion are uniquely in accord with major economic movements of contemporary periods. (See Analysis, pages 20 and 21.)

LIMITS OF THIS SURVEY

This survey has been strictly limited to a study of these concerns in and about Atlanta whose activities are confined to manufacturing as limited by the United States Department of Commerce, Bureau of Census, in the introduction to its volume "BIENNIAL CENSUS OF MANUFACTURES - 1935".

In this volume the Census Bureau reports only those establishments engaged primarily in the production of commodities by manufacturing processes. Separate reports are offered by this same agency covering the population of the United States, the agricultural statistics, and the three fields of distribution: (1) wholesale, (2) retail, and (3) service.

The differentiation between some of these fields is a delicate problem. Printing, for example, is considered as manufacturing in the cases of newspapers and book publishers, but as a service in the case of job printing plants.

Only those firms which show a gross income of at least \$5,000.00 per annum are reported in the census, and this same qualification has been applied to the plants tabulated in this survey.

DATA

The data gathered covered the following points:

1. Name of firm
2. Address of firm--Telephone number
3. Number of employees
4. Year of establishment in Atlanta
5. Predominating articles of manufacture

The first two of these items are self-explanatory while the balance merit a word of explanation. In tabulating the number of employees for the various factories the policy was adopted of using the figure of maximum employment at the time of the usual peak season for those plants whose employment varied to any extent. This was done in appreciation of the fact that in most cases these same employees did not take other employment during off seasons and thus earned practically all of their living from the industry in question. In a few cases the firms reported having been in business in Atlanta for a period of years and then closing down for awhile to reopen at a later date. In all such cases the earliest date of establishment was used. In the case of plants manufacturing a variety of articles, if the products were not all in the same classification, that article which predominated from a point of view of value was used in determining the

classification of the factory.

Initial attempts to garner the above information from such sources as the business offices of the telephone company, the Georgia Power Company, and railroad freight traffic representatives, were without much success. The first named office did report that some ten or twelve years ago they had made such a study but that it was now so obsolete it was no longer even to be found in their files, and since their present equipment is apparently ample for all anticipated growth in the next several years, they were but casually interested in making such a study. The other named offices expressed considerable interest in the project but regretted the lack of any information worth contributing. The files of the Georgia Industrial Board were barred to all but employees of the Board. The files in the office of the Georgia State Unemployment Bureau were found to be exceedingly incomplete due to the fact that they do not solicit information from any firms other than those which voluntarily make application to cooperate with this agency.

The Atlanta Chamber of Commerce was next approached and its files were placed at the disposal of the writer. Now Chamber of Commerce files of this type have their own distinct functions to serve, and complete accuracy does

not always make the best contribution to those functions. Furthermore, Chambers of Commerce are characteristically short of funds to spend on any one service or activity and thus such data is not always up to date nor complete. It was apparent that although much valuable information was contained in these files it needed careful pruning to be of maximum dependability. Therefore this information was used as a nucleus around which to build. Some three hundred firms were culled from the almost nine hundred offered by the Chamber as purporting to be industrial in nature. Those eliminated included service businesses such as sign painting and automobile repairing, distributive agencies such as wholesalers and sales offices, and many concerns which are no longer in business in Atlanta. Duplication was eliminated as far as possible. Additional names were added as they were gathered from the telephone directory, advertising material and not a few from conversations with firms already listed.

This expurgated compilation of purely manufacturing concerns was then tabulated in accordance with the grouping shown in Table 1, page 23 (Schedule of Industries). It will be noted that the first sixteen groups here listed correspond to the major classifications of the manufacturing industries as reported by the United States Census Bureau.

Within these sixteen groups the Census Bureau classifies all manufacturing plants among three hundred and forty types (1935). This figure varies from census to census as explained on Page 13. Certain of these types have been segregated and for convenience are designated in Table 1 by numbers from seventeen to thirty. This separation was made in order to permit a more minute examination of the Atlanta industrial situation.

The final data which was accumulated for tabulation covered 610 plants in the greater Atlanta metropolitan area, which plants employ over 39,600 men and women. Rather than represent a statistical sample then, this data very closely approximates the entire industrial population. This statement is borne out by comparison of these totals with the recent preliminary release of the United States Bureau of Census figures for the year 1937.

These figures show an employment of 27,124 in Fulton county and of 1,495 in DeKalb county; a total of 28,619. A few plants included in this survey however, lie in the Hapeville area which is in Clayton county. In all probability increased business activity during 1938 may be safely assumed to run between fifteen and twenty-five per cent over that of 1937. This no doubt had the effect

of increasing the number of employees on the payrolls of the plants reporting to the census authorities as well as resulting in the establishment of new plants in this area. It must be borne in mind also, that this investigation was conducted without the authority for compelling accurate and complete information that a governmental agency has at its disposal. The natural tendency then, to give such figures in round numbers and the pride in having a large plant, might easily account for a favorable discrepancy as large as ten per cent.

Finally, all figures for number of employees, used in this thesis, are maximum values as explained on Page 6, rather than the figure of average employment for the year as it is computed by the United States Census Bureau. Thus the total employment of 39,656 for 1938, as determined in this study, is in general agreement with the statistics of the latest available census.

No attempt was made to request such private information from the industries, as capitalization, salaries and wages paid, or value of production, in view of the lack of proper authority to obtain accurate figures, as pointed out above.

THE PRESENT SITUATION

The casual reader of this paper is probably most interested in and most vitally concerned with the present distribution of the manufacturing plants in this area. In order to investigate this situation the plants were tabulated by type of manufacture, under thirty different classifications (Table I). Each type was further subdivided according to the size of the plant, into ten classes. Table II, Page 25, presents the resulting information in concise form. Note that the totals are given for each size group and also for each of the types of industry. Although Table II gives the greater detail of the present situation, this same material has been reorganized and is presented in Table III, Page 27, for the benefit of those readers who may wish to compare now, or at some future date, the data here presented, with figures of the United States Department of Commerce, Bureau of the Census.

Referring to either Table II or Table III it will be noted that the greatest number of plants (139) employ from 11-25 employees. Smaller plants run very close: 114 employ from 6-10 and 111 employ five and under. Just slightly less than sixty percent of the Atlanta plants then, are of decidedly small size!

This alone is strong argument for the establishment of more new plants, since apparently the small man has a chance here.

A somewhat different interpretation is gleaned from a study of the figures for employees when we notice that 11,475 of our 39,656 industrial workers are employed by firms of 'Over 500' classification. This is probably only to be expected as is the figure of 8,007 in those plants which run from 250-500. A total of 27,328 or 69% of our industrial proletariat are employed by plants with over 100 men on the payroll. Here then is a problem, foreign to this thesis, but of importance to the sociologist.

On examining the totals by group classification we note in Table II that Group 1 (Foods) leads in number of different plants, but that Group 2 (Textiles) claims the most employees.

It may be of interest to note in passing that our largest plant in this area is claimed by the automobile industry with about 1850 employees, and is closely followed by the steel industry with a plant employing 1385 men.

HISTORICAL

Any attempt to investigate an historical trend is usually complicated and confused by the absence of satisfactory factual material. In the early development of any major movement, the new tendency is usually overlooked until it is of sufficient size to demand attention and by then it is difficult to reconstruct the circumstances contemporary with its initiation. Every effort of a new industry is expended on constructive activity rather than statistical recording. Even an organization as efficient and complete in its coverage as the United States Census Bureau is obliged to await further developments before establishing definite classification of many evolving industries. For example the straw hat industry was at one time listed in Group Sixteen (Miscellaneous) but since the industry has become more extensive and more closely related to other clothing items, the interpretation of textiles (Group Two) has been broadened to include this industry. In such cases the Census Bureau attempts in-so-far as it is possible to revamp the statistical structure for the preseding years but is often hampered by the lack of proper segregation of the original data.

There is no agency which has ever come to the attention of the author which has ever attempted any systematic, accurate and comprehensive record of data such as is herein presented. Therefore we have no possible way of investigating just what the industrial picture of Atlanta was at a period of ten, fifteen or twenty-five years ago. Many firms which were in business then are now gone. Many others are today combined with newer firms. And many that are here today will in all probability run the gamut of their normal life-expectancy and be gone in the future.

But mortality with industries is just as much to be expected as it is with individuals. Therefore what is of more importance to this study is proof that Atlanta has experienced every symptom of a perfectly normal development, and an indication as to just where Atlanta stands as to its rate of development. Of major importance then, is not how many firms which were here in former years have failed to survive, but how many have survived depressions and booms; wars and peace. Our data then discloses some very interesting facts when we analyze the present day firms in terms of their date of establishment in Atlanta.

Figure 1, which is a presentation of the accumulative

growth of the industries which are today operating in and around Atlanta, in the chronological order in which they developed, bears close resemblance to a perfect statistical ogive curve of accumulative data. Note particularly the period of rather slow growth which is to be expected at the start of any such trend, then the rapid development as the presence of some industries attracted others, and finally a definite tapering off in the rate of accumulation, which would indicate that the industrial field is approaching completeness, and ultimately saturation. Curves 1 (Plants) and 2 (Industrial Population) both follow this general pattern as is to be expected.

The data of Figure 1 which is plotted on an arithmetic grid is again presented in Figure 2, where it has been plotted on a logarithmic scale against the conventional scale of years. It will be noted that both Curves 3 (Plants) and 4 (Industrial Population) are essentially straight lines with the principal deviations following the wave phenomenon discussed on Page 3. These four curves are graphic portrayal of the data given in Tables VI and VII, Pages 31 through 50.

These curves have been grouped in pairs to facilitate their comparison. It has been noted above that the arithmetic projection of the accumulated growth of number

of employees followed the general pattern of accumulated growth of number of plants. An important distinction is noted however, when we inspect Figure 2, and it is observed that the slope of the trend line for PLANTS (62%) is definitely greater than that for EMPLOYEES (32%).

Thus the rate of growth of plants is exceeding that of the contemporaneous increase in the number of employees. This fact suggests two possibilities. The newly established plants are perhaps becoming progressively smaller than those already established. From the point of view of numbers on the payroll this is unquestionably true although the size of the plants in terms of capitalization, production and other indexes may be consistently larger. This apparent paradox is simply the result of an industry-wide metamorphosis of mechanization occasioned by modern technocracy and the introduction of labor saving machinery.

The oldest plant tabulated is that of the Atlanta Journal, which newspaper was established in 1818. Each type of industry appears to have developed gradually over the period studied. spurts of expansion were quite limited. The most noticeable being in the cosmetic field where ten of the thirteen present establishments are seen to have started up in the five year period following the World War 1919-1924. Since this was the "Flaming Flapper"

period, perhaps this growth would be found to check with the national development of this same industry, if the national figures were available on a comparable basis.

FIGURE 1

DISTRIBUTION
OF THE

PRESENT ATLANTA INDUSTRIES

By Year of Establishment Since 1875

Showing for each year the
accumulated number of present
plants and the present industrial
population of these plants.

NUMBER OF PRESENT PLANTS

PRESENT INDUSTRIAL POPULATION

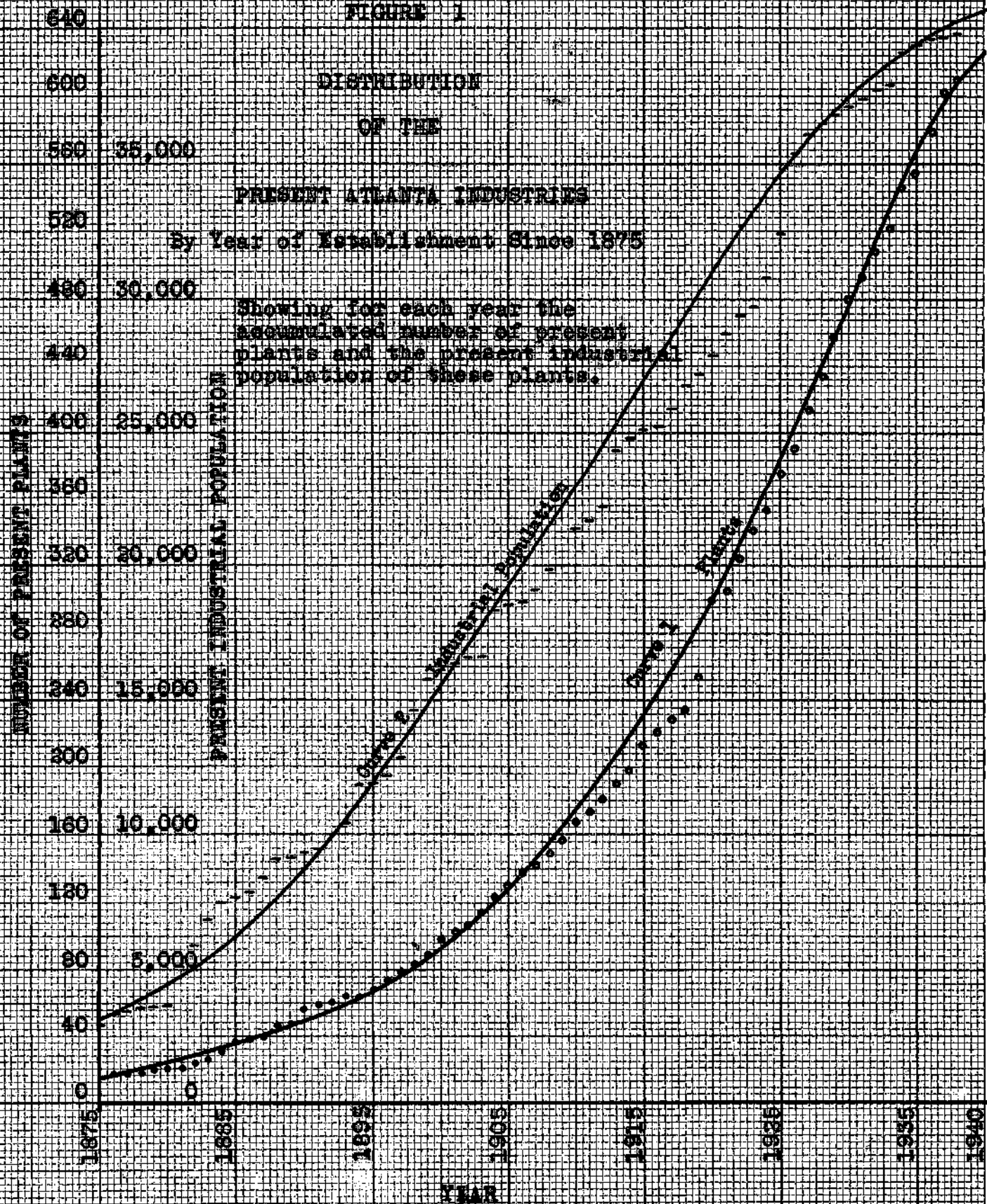
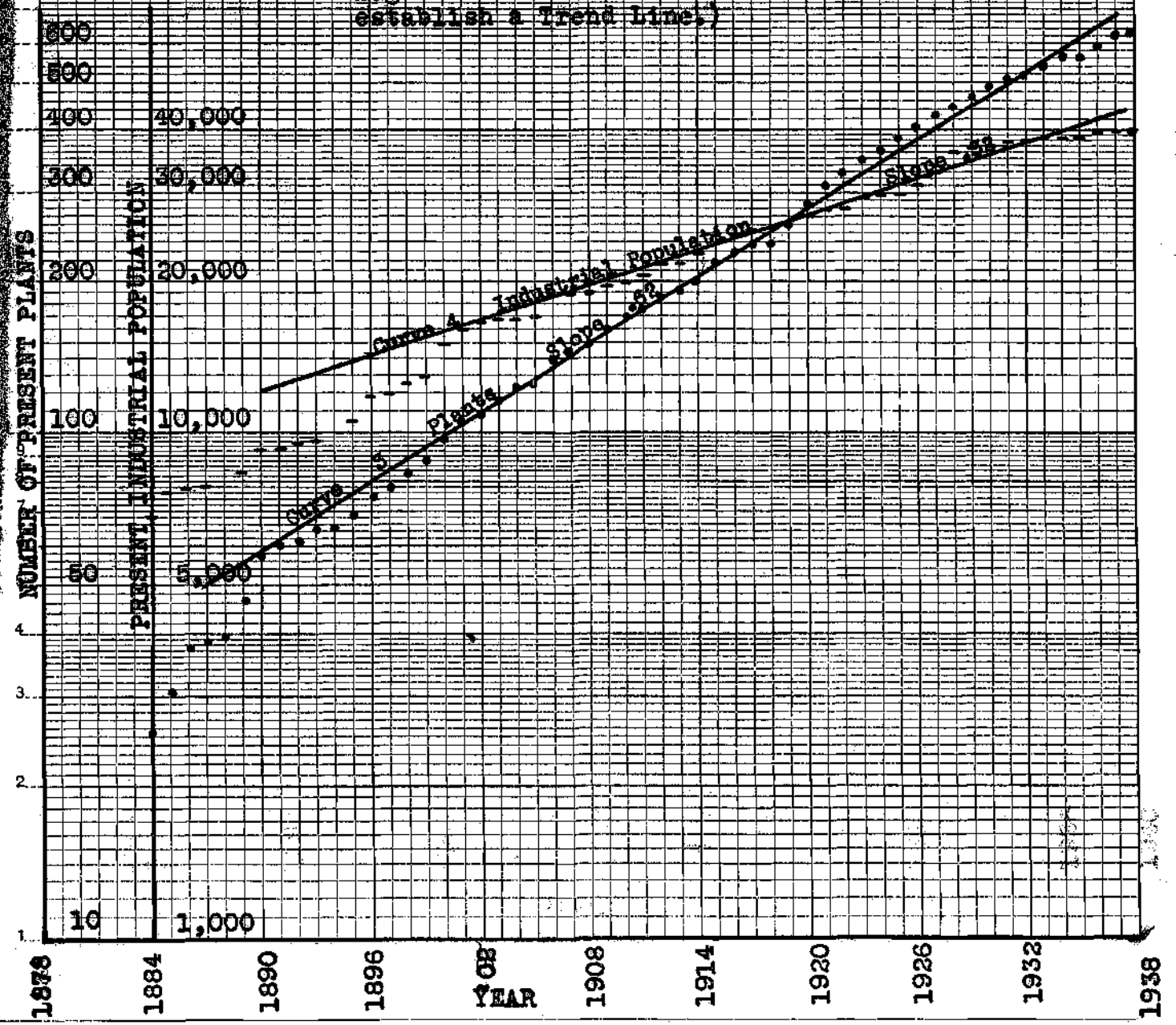


FIGURE 2
DISTRIBUTION
OF THE

PRESENT ATLANTA INDUSTRIES
By Year of Establishment Since 1882

(Data of Figure 1 plotted on a logarithmic scale in order to establish a Trend Line.)



ANALYSIS

The incautious observer might at this point attempt to project the straight line trend into future years and thus prognosticate what the industrial situation will be in time to come. Any such prophecy however, is subject to serious error as it thus fails to properly evaluate the probability of human fallibility and the possible outcome of current events and events to come.

Every effort has been made by the writer to discover if there is some relationship between the rate of establishment of successful industries in this area and any other predictable quantity. Further to discover both the symptom which might serve as an indication of what might be expected by the establishment of certain industries at certain times, and the relationship between this symptom and subsequent industrial activity. The lack of sufficient data did not warrant carrying this phase of the study into further detail than the annual totals of all the industries in this area taken as one group.

Since absolute values are often misleading in their implication, percentage of change from year to year was computed and the figures thus established were plotted against the years, on a logarithmic scale in order to reduce the resulting chart to a convenient size. The

well known areas chart of Col. Leonard P. Ayres was studied in this connection. Prices on railroad stocks, railroad bonds, commercial paper, and wholesale commodity prices were all investigated. It was at first thought that the rate of local industrial development followed the pattern of the Wholesale Commodity Curve shown thereon. The relationship however, if it exists at all, is extremely vague. In all probability the sensitivity of this index which represents many varied items is not keen enough to indicate a localized activity such as the industrial development of Atlanta.

The industrial development of Atlanta has followed in general the prevailing business conditions, but this in all likelihood is a case of effect rather than of cause.

CONCLUSIONS

It may be concluded from the data presented that Atlanta's industrial growth has been generally normal.

The potential market, far from saturated, offers strong inducement to industrial expansion. Every type of desirable facility is at hand and plants may be built and merchandise produced at a cost which will compare very favorably with other southern cities.

The diversification of products manufactured here is recognized when it is noted that only one of the major census groups is not represented among the fifteen hundred different commodities made in Atlanta.

Although there appears to be a slackening in the rate of establishment of new plants there is no reason to anticipate any complete arrest of such development, and every reason to expect Atlanta to share bountifully in the economic fortunes of the south of the future.

TABLE I
SCHEDULE OF INDUSTRIES

Group 1	Food and kindred products
" 2	Textiles and their products
" 3	Forest products
" 4	Paper and allied products
" 5	Printing, publishing and allied industries
" 6	Chemicals and allied products
" 7	Products of petroleum and coal
" 8	Rubber products
" 9	Leather and its manufactures
" 10	Stone, clay and glass products
" 11	Iron and steel and their products (Except Machinery)
" 12	Nonferrous metals and their products
" 13	Machinery (Except Group 14)
" 14	Transportation equipment (Air-Land-Water)
" 15	Railroad repair shops
" 16	Miscellaneous industries

Concluded on next page

TABLE I
(Concluded)

Group 17	Medicine (6)
" 18	Dental Laboratories (16)
" 19	Sheet metal (12)
" 20	Mattresses (16)
" 21	Plating (12)
" 22	Concrete and its products (Pipe, etc.) (10)
" 23	Cosmetics (6)
" 24	Engraving (5)
" 25	Hats (2)
" 26	Household equipment (11)
" 27	Paints (6)
" 28	Optical goods (16)
" 29	Electrical equipment (13)
" 30	Tools and instruments (13)

Note 1: The first sixteen groups listed are the major divisions of all manufacturing industries, as tabulated by the United States Department of Commerce, Bureau of Census.

Note 2: Numbers shown in parentheses refer to the group classification assigned these industries by the U. S. Census Bureau.

TABLE II

PRESENT (1938) DISTRIBUTION OF ATLANTA INDUSTRIES

(By 30 Types and number of employees per plant)

Group	5 And Under	6-10	11-25	26-50	51-75	76-100	101-250	251-500	Over 500	Totals
1	22	23	27	16	13	11	12	2	1	127
2	4	7	8	10	2	5	9	5	5	55
3	3	6	11	7	1	2	4	2	-	36
4	4	5	2	4	2	3	2	1	-	23
5	35	27	25	6	4	-	2	4	-	103
6	5	9	9	2	1	4	4	3	-	37
7	1	-	-	1	-	-	-	-	-	2
8	-	1	-	1	-	1	-	-	-	3
9	2	1	4	2	-	-	1	-	1	11
10	2	3	7	-	-	-	3	-	-	15
11	1	2	-	3	2	-	3	-	-	12
12	3	3	4	-	-	-	-	-	-	10
13	10	10	8	9	4	-	3	-	-	44
14	-	-	2	3	2	2	-	1	2	12
15	-	-	-	-	-	-	-	-	-	-

TABLE II - (Concluded)

Group	5 And Under	6-10	11-25	26-50	51-75	76-100	101-250	251-500	Over 500	Totals
16	3	1	3	1	-	-	1	1	-	10
17	-	1	3	2	1	-	-	-	-	7
18	4	2	4	1	-	-	-	-	-	11
19	-	1	2	4	1	-	1	-	-	9
20	1	2	-	1	-	-	-	1	1	6
21	1	2	1	-	-	-	-	-	-	4
22	3	1	5	1	-	-	-	-	-	10
23	6	3	3	1	-	-	-	-	-	13
24	1	1	2	4	-	-	-	-	-	8
25	-	-	1	-	1	-	3	1	-	6
26	-	1	4	6	5	2	-	-	-	18
27	-	2	1	2	-	-	1	1	-	7
28	-	-	1	-	1	-	-	-	-	2
29	-	-	1	1	1	-	1	-	-	4
30	-	-	1	3	1	-	-	-	-	5
TOTALS	111	114	139	91	42	30	50	22	11	610

TABLE III

PRESENT (1938) DISTRIBUTION OF ATLANTA INDUSTRIAL POPULATION

(By 30 Types and number of employees per plant)

Group	5 And Under	6-10	11-25	26-50	51-75	76-100	101-250	251-500	Over 500	TOTALS
1	88	165	442	557	793	995	1947	780	800	6,576
2	15	61	122	407	135	461	1496	1804	5525	10,026
3	12	44	213	270	70	163	530	715	-	2,017
4	18	41	31	158	145	269	290	395	-	1,346
5	124	191	414	232	233	-	295	1567	-	3,056
6	16	77	131	81	72	376	643	859	-	2,255
7	4	-	-	30	-	-	-	-	-	34
8	-	9	-	40	-	100	-	-	-	149
9	4	6	71	71	-	-	125	-	515	792
10	7	24	138	-	-	-	380	-	-	549
11	3	15	-	113	136	6-3	635	-	1385	2,287
12	10	27	54	-	-	-	-	-	-	91
13	37	75	118	335	227	-	430	-	-	1,222
14	-	-	33	130	128	160	-	500	2650	3,601
15	-	-	-	-	-	-	-	-	-	-

TABLE III (Concluded)

Group	5 And Under	6-10	11-25	26-50	51-75	76-100	101-250	251-500	Over 500	TOTALS
16	9	10	49	50	-	-	200	450	-	768
17	-	6	39	73	60	-	-	-	-	178
18	12	15	60	27	-	-	-	-	-	114
19	-	9	37	141	60	-	200	-	-	447
20	4	12	-	48	-	-	-	350	600	1,014
21	5	14	15	-	-	-	-	-	-	34
22	13	6	92	35	-	-	-	-	-	146
23	28	24	55	42	-	-	-	-	-	149
24	3	8	31	132	-	-	-	-	-	174
25	-	-	11	-	52	-	410	312	-	785
26	-	8	82	245	313	180	-	-	-	828
27	-	16	20	61	-	-	115	275	-	487
28	-	-	23	-	56	-	-	-	-	79
29	-	-	11	35	75	-	150	-	-	271
30	-	-	11	104	75	-	-	-	-	190
TOTALS	411	863	2303	3417	2630	2704	7846	8007	11473	39,656

TABLE IV

PRESENT (1938) DISTRIBUTION OF ATLANTA INDUSTRIES
(By 16 Census Types and number of employees per plant)

Group	5 And Under	6-10	11-25	26-50	51-75	76-100	101-250	251-500	Over 500	TOTALS
1	22	23	27	16	13	11	12	2	1	127
2	4	7	9	10	3	5	6	6	5	61
3	3	6	11	7	1	2	4	2	-	36
4	4	5	2	4	2	3	2	1	-	23
5	36	28	27	10	4	-	2	4	-	111
6	11	15	16	7	2	4	5	4	-	64
7	1	-	-	1	-	-	-	-	-	2
8	-	1	-	1	-	1	-	-	-	3
9	2	1	4	2	-	-	1	-	1	11
10	5	4	12	1	-	-	3	-	-	25
11	1	3	4	9	7	2	3	-	1	30
12	4	6	7	4	1	-	1	-	-	23
13	10	10	10	13	6	-	4	-	-	53
14	-	-	2	3	2	2	-	1	2	12
15	-	-	-	-	-	-	-	-	-	-
16	8	5	8	3	1	-	1	2	1	29
TOTALS	111	114	139	91	42	30	50	22	11	610

TABLE V

PRESENT (1938) DISTRIBUTION OF ATLANTA INDUSTRIAL POPULATION
(By 16 Census Types and number of employees per plant)

Group	5 And Under	6-10	11-25	26-50	51-75	76-100	101-250	251-500	Over 500	TOTALS
1	88	165	442	557	793	995	1947	780	800	6,567
2	15	61	133	407	187	461	1906	2116	5525	10,811
3	12	44	213	270	70	163	530	715	-	2,017
4	18	41	31	158	145	269	290	395	-	1,346
5	127	199	445	364	233	-	295	1567	-	3,230
6	44	123	245	257	132	376	758	1134	-	3,069
7	4	-	-	30	-	-	-	-	-	34
8	-	9	-	40	-	100	-	-	-	149
9	4	6	71	71	-	-	125	-	515	792
10	20	30	230	35	-	-	380	-	-	695
11	3	41	82	358	449	180	635	-	1385	3,133
12	15	50	106	141	60	-	200	-	-	572
13	37	75	140	474	377	-	580	-	-	1,683
14	-	-	33	130	128	160	-	500	2650	3,601
15	-	-	-	-	-	-	-	-	-	-
16	25	37	132	125	56	-	200	800	600	1,975
TOTALS	411	863	2303	3417	2630	2704	7846	8007	11475	39,656

TABLE VI

NUMBER OF INDUSTRIAL PLANTS ESTABLISHED
(By 30 Types and Year of Establishment)

Note: Only those years are shown in which at least one
of the present plants was established in Atlanta.

Group	1818	1833	1865	1866	1867	1868	1870
1	-	-	-	-	-	1	-
2	-	-	-	-	-	-	1
3	-	-	-	-	1	-	-
4	-	-	-	-	-	1	-
5	1	-	1	-	-	1	-
6	-	-	-	2	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	1	-	-	-
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	-	-	2	-	-
18	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-
28	-	1	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	1	1	1	3	3	3	1
ACCUMU- LATIVE TOTAL	1	2	3	6	9	12	13

TABLE VI
(Continued)

Group	1872	1874	1876	1878	1879	1880	1881
1	-	-	-	1	-	-	-
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	1	-	-	-	-	-	-
5	-	-	-	-	-	1	-
6	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	1
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	-	1	-	-	-	-	-
25	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
27	-	-	-	-	1	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	1	-	-	-	-
TOTALS	1	1	1	1	1	1	1
ACCUMU- LATIVE TOTAL	14	15	16	17	18	19	20

TABLE VI
(Continued)

Group	1882	1883	1884	1885	1886	1887	1889
1	-	-	1	2	2	1	-
2	1	-	-	1	-	-	1
3	-	-	2	1	-	-	-
4	-	-	-	1	-	-	-
5	1	-	1	-	-	-	1
6	-	-	-	-	-	-	2
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	1	-	-	-
11	-	-	-	1	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	-	-	-	-	-	-	2
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	1	-	-	-	-
18	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
20	-	1	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-
25	-	1	-	-	-	-	-
26	-	-	-	-	-	-	-
27	1	-	-	-	-	-	1
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	3	2	5	7	1	1	7
ACCUMU- LATIVE TOTAL	23	25	30	37	38	39	46

TABLE VI
(Continued)

Group	1890	1891	1892	1893	1895	1896	1897
1	2	-	-	-	1	1	-
2	-	1	-	-	1	2	-
3	1	-	-	1	1	-	-
4	2	-	-	1	-	-	1
5	1	-	-	1	-	-	2
6	-	-	-	-	1	1	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	1	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	1	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	1	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	1	-	-	-	-	-
17	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
19	1	-	-	-	-	-	-
20	-	-	-	-	-	-	-
21	-	1	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	1	-	-	-	-	1	-
25	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	1	-	-	-	-	1	-
TOTALS	11	3	1	3	4	6	3
ACCUMU- LATIVE TOTAL	57	60	61	64	68	74	77

TABLE VI
(Continued)

Group	1898	1899	1900	1901	1902	1903	1904
1	2	-	-	1	1	-	1
2	-	1	4	1	1	2	-
3	-	-	-	1	-	-	1
4	-	-	1	-	-	-	-
5	-	2	-	-	1	2	3
6	-	1	1	1	-	-	1
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	1	-	-	-	1
11	-	-	1	-	-	-	-
12	-	-	-	-	-	-	-
13	1	1	-	-	2	-	1
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	1	-
17	-	-	-	-	-	-	-
18	-	-	1	-	-	-	-
19	-	-	-	1	-	-	-
20	-	-	-	1	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	1	-
23	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-
25	1	-	-	-	-	-	-
26	1	1	-	-	-	1	-
27	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	5	6	9	6	5	7	8
ACCUMU- LATIVE TOTAL	82	88	97	103	108	115	123

TABLE VI
(Continued)

Group	1905	1906	1907	1908	1909	1910	1911
1	-	2	-	1	2	3	-
2	-	-	-	-	2	-	-
3	-	1	-	1	-	1	1
4	-	1	-	1	-	-	-
5	-	4	1	-	1	3	2
6	-	-	-	-	1	1	1
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	1	-	-	-	-
10	-	2	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	1	-	-	-	-
13	-	-	1	1	1	2	1
14	-	1	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	1	-
17	-	1	-	-	-	-	-
18	-	-	-	-	-	-	-
19	-	-	-	1	1	-	-
20	-	-	1	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	-	-	-	-	-	-	1
25	-	1	-	-	-	-	-
26	1	1	-	1	-	-	-
27	1	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	2	13	5	6	8	11	6
ACCUMU- LATIVE TOTAL	125	138	143	149	157	168	174

TABLE VI
(Continued)

Group	1912	1913	1914	1915	1916	1917	1918
1	1	-	4	2	3	2	-
2	1	-	1	2	1	-	-
3	-	2	-	2	-	1	1
4	-	-	-	-	1	-	1
5	1	1	1	-	1	2	-
6	-	1	-	2	-	1	-
7	-	-	-	-	-	-	-
8	-	-	-	1	-	-	-
9	-	-	-	-	-	1	-
10	-	-	-	-	-	1	-
11	-	-	-	1	-	1	1
12	1	-	-	-	-	-	-
13	1	1	3	2	1	-	-
14	2	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	1	-	-	-	-	-
17	-	-	-	-	-	-	-
18	-	1	-	-	-	-	1
19	-	-	1	-	-	-	-
20	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	1	-	-	-
24	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-
26	-	1	-	1	1	-	-
27	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	1	6
30	-	-	-	-	-	-	-
TOTALS	7	8	10	14	8	10	4
ACCUMU- LATIVE TOTAL	181	189	199	213	221	231	235

TABLE VI
(Continued)

Group	1919	1920	1921	1922	1923	1924	1925
1	4	4	2	4	3	-	5
2	-	3	2	-	1	2	-
3	-	-	1	2	1	1	-
4	-	1	-	1	-	-	1
5	2	5	8	2	5	6	7
6	-	3	1	-	1	-	2
7	-	-	1	-	-	-	-
8	-	-	-	-	-	-	-
9	-	1	-	-	1	1	-
10	1	-	-	2	-	-	1
11	1	1	-	-	-	-	-
12	1	2	-	-	-	1	-
13	3	1	2	1	-	-	1
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	1	1	1	-	-
17	-	-	1	1	-	-	-
18	1	-	1	1	-	-	1
19	1	-	-	-	1	-	-
20	-	2	-	-	-	-	-
21	-	-	-	-	-	-	1
22	1	-	2	-	-	1	-
23	2	2	1	2	1	2	-
24	-	1	-	-	1	-	-
25	-	-	1	1	-	-	-
26	-	-	2	-	-	-	-
27	-	-	-	-	-	-	1
28	-	-	-	-	-	-	-
29	1	-	-	-	-	-	1
30	-	1	-	-	-	-	1
TOTALS	18	27	26	18	16	14	22
ACCUMU- LATIVE TOTAL	253	280	306	324	340	354	376

TABLE VI
(Continued)

Group	1926	1927	1928	1929	1930	1931	1932
1	5	4	3	7	6	5	4
2	1	5	1	1	3	2	3
3	2	1	1	2	3	-	-
4	2	-	1	1	-	-	-
5	2	2	2	6	4	3	1
6	1	1	2	1	2	-	-
7	-	-	-	-	-	-	1
8	-	-	1	-	-	-	-
9	1	-	1	-	-	-	-
10	-	-	1	-	-	-	-
11	-	2	-	-	-	-	-
12	1	-	-	1	-	-	-
13	1	3	1	3	-	-	1
14	-	-	3	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	1	-	-	-
17	-	-	-	-	-	-	-
18	-	1	-	-	-	1	1
19	-	-	-	-	1	-	1
20	-	-	-	-	-	-	1
21	-	-	-	-	-	1	-
22	-	2	-	-	-	-	-
23	-	-	-	-	1	1	-
24	-	-	-	-	-	-	1
25	-	-	1	-	-	-	-
26	-	1	2	-	-	-	-
27	-	-	-	-	-	2	-
28	-	-	-	1	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	16	22	20	24	20	15	14
ACCUMU- LATIVE TOTAL	392	414	434	458	478	493	507

TABLE VI
(Concluded)

Group	1933	1934	1935	1936	1937	1938	TOTALS
1	6	8	2	8	7	4	127
2	1	-	3	1	2	-	55
3	2	1	-	1	-	-	36
4	-	2	-	1	1	-	23
5	3	3	-	1	4	1	103
6	-	1	-	1	3	1	37
7	-	-	-	-	-	-	2
8	-	-	-	1	-	-	3
9	-	-	-	2	1	-	11
10	-	1	-	1	-	2	15
11	-	1	-	-	1	-	12
12	1	-	-	-	1	-	10
13	1	4	-	-	1	-	44
14	-	1	-	2	-	-	12
15	-	-	-	-	-	-	-
16	-	-	-	1	1	-	10
17	1	-	-	-	-	-	7
18	-	-	-	1	-	-	11
19	-	-	-	-	-	-	9
20	-	-	-	-	-	-	6
21	-	1	-	-	-	-	4
22	1	-	-	2	-	-	10
23	-	-	-	-	-	-	13
24	-	-	1	-	-	-	8
25	-	-	-	-	-	-	6
26	-	-	2	-	2	-	18
27	-	-	-	-	-	-	7
28	-	-	-	-	-	-	2
29	-	-	-	1	-	-	4
30	-	-	-	-	-	-	5
TOTALS	16	23	8	24	24	8	610
ACCUMU- LATIVE TOTAL	523	546	554	578	602	610	

TABLE VII
DISTRIBUTION OF INDUSTRIAL POPULATION
By 30 Types and Year of Establishment

Note: Only those years are shown in which at least one of the present plants was established in Atlanta.

Group	1818	1833	1865	1866	1867	1868	1870
1	-	-	-	-	-	100	-
2	-	-	-	-	-	-	2000
3	-	-	-	-	70	-	-
4	-	-	-	-	-	4	-
5	439	-	40	-	-	12	-
6	-	-	-	300	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	65	-	-	-
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	-	-	100	-	-
18	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-
28	-	56	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	439	56	40	365	170	116	2000
ACCUMU- LATIVE TOTAL	439	495	535	900	1070	1186	3186

TABLE VII
(Continued)

Group	1872	1874	1876	1878	1879	1880	1881
1	-	-	-	85	-	-	-
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	125	-	-	-	-	-	-
5	-	-	-	-	-	8	-
6	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	40
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	-	42	-	-	-	-	-
25	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
27	-	-	-	-	115	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	38	-	-	-	-
TOTALS	125	42	38	85	115	8	40
ACCUMU- LATIVE TOTAL	3,311	3,353	3,391	3,476	3,591	3,599	3,639

TABLE VII
(Continued)

Group	1882	1883	1884	1885	1886	1887	1889
1	-	-	3	39	240	76	-
2	1200	-	-	75	-	-	60
3	-	-	430	130	-	-	-
4	-	-	-	165	-	-	-
5	60	-	400	-	-	-	150
6	-	-	-	-	-	-	169
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	125	-	-	-
11	-	-	-	173	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	-	-	-	-	-	-	155
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	33	-	-	-	-
18	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
20	-	600	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-
25	-	150	-	-	-	-	-
26	-	-	-	-	-	-	-
27	275	-	-	-	-	-	20
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	1,535	750	866	707	240	76	554
ACCUMU- LATIVE TOTAL	5,174	5,924	6,790	7,497	7,737	7,813	8,367

TABLE VII
(Continued)

Group	1890	1891	1892	1893	1895	1896	1897
1	90	-	-	-	105	100	-
2	-	15	-	-	379	1350	-
3	13	-	-	3	78	-	-
4	495	-	-	70	-	-	46
5	20	-	-	4	-	-	23
6	-	-	-	-	259	80	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	32	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	246	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	53	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	20	-	-	-	-	-
18	-	-	-	-	-	-	-
19	15	-	-	-	-	-	-
20	-	-	-	-	-	-	-
21	-	15	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	19	-	-	-	-	30	-
25	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	36	-	-	-	-	11	-
TOTALS	766	50	246	77	821	1,571	69
ACCUMU- LATIVE TOTAL	9,133	9,183	9,429	9,506	10,327	11,898	11,967

TABLE VII

(Continued)

Group	1898	1899	1900	1901	1902	1903	1904
1	67	-	-	112	87	-	14
2	-	205	1254	100	11	126	-
3	-	-	-	42	-	-	133
4	-	-	4	-	-	-	-
5	-	279	-	-	35	67	67
6	-	15	300	300	-	-	12
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	5	-	-	-	7
11	-	-	216	-	-	-	-
12	-	-	-	-	-	-	-
13	11	23	-	-	240	-	40
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	17	-
17	-	-	-	-	-	-	-
18	-	-	27	-	-	-	-
19	-	-	-	200	-	-	-
20	-	-	-	350	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	6	-
23	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-
25	130	-	-	-	-	-	-
26	63	80	-	-	-	70	-
27	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	271	602	1,806	1,104	373	286	273
ACCUMU- LATIVE TOTAL	12,238	12,840	14,646	15,750	16,123	16,409	16,682

TABLE VII
(Continued)

Group	1905	1906	1907	1908	1909	1910	1911
1	-	855	-	1	90	493	-
2	-	-	-	-	144	-	-
3	-	-	-	18	-	156	50
4	-	11	-	20	-	-	-
5	-	479	13	-	11	54	11
6	-	-	-	-	160	15	10
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	1	-	-	-	-
10	-	40	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	14	-	-	-	-
13	-	-	6	12	4	37	7
14	-	20	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	50	-
17	-	6	-	-	-	-	-
18	-	-	-	-	-	-	-
19	-	-	-	31	45	-	-
20	-	-	48	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
24	-	-	-	-	-	-	31
25	-	312	-	-	-	-	-
26	18	25	-	50	-	-	-
27	28	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	26	1,748	82	132	454	805	109
ACCUMU- LATIVE TOTAL	16,708	18,456	18,538	18,670	19,124	19,929	20,038

TABLE VII
(Continued).

Group	1912	1913	1914	1915	1916	1917	1918
1	181	-	414	29	184	32	-
2	41	-	100	370	200	-	-
3	-	33	-	24	-	85	20
4	-	-	-	-	26	-	-
5	6	145	13	-	14	9	-
6	-	9	-	31	-	12	-
7	-	-	-	-	-	-	-
8	-	-	-	100	-	-	-
9	-	-	-	-	-	22	-
10	-	-	-	-	-	2	-
11	-	-	-	1385	-	40	61
12	17	-	-	-	-	-	-
13	234	8	8	56	35	-	-
14	848	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	12	-	-	-	-	-
17	-	-	-	-	-	-	-
18	-	9	-	-	-	-	16
19	-	-	22	-	-	2	-
20	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	42	-	-	-
24	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-
26	-	100	-	45	60	-	-
27	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	1,327	316	557	2,082	519	202	97
ACCUMU- LATIVE TOTAL	21,365	21,681	22,238	24,320	24,839	25,041	25,138

TABLE VII
(Continued)

Group	1919	1920	1921	1922	1923	1924	1925
1	219	103	23	153	140	-	188
2	-	373	10	-	47	88	-
3	-	-	7	65	111	300	-
4	4	6	-	49	-	-	5
5	17	51	71	13	79	127	78
6	-	243	9	-	12	-	99
7	-	-	30	-	-	-	-
8	-	-	-	-	-	-	-
9	-	6	-	-	20	3	-
10	146	-	-	117	-	-	15
11	6	38	-	-	-	-	-
12	3	17	-	-	-	5	-
13	43	5	24	51	-	-	13
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	200	3	450	-	-
17	-	-	11	11	-	-	-
18	12	-	4	21	-	-	11
19	30	-	-	-	9	-	-
20	-	10	-	-	-	-	-
21	-	-	-	-	-	-	5
22	35	-	8	-	-	20	-
23	12	12	5	8	12	27	-
24	-	3	-	-	29	-	-
25	-	-	11	130	-	-	-
26	-	-	76	-	-	-	-
27	-	-	-	-	-	-	8
28	-	-	-	-	-	-	-
29	185	-	-	-	-	-	11
30	-	39	-	-	-	-	75
TOTALS	712	897	489	621	909	570	508

ACCU-
MULATIVE
TOTAL

25,850 26,747 27,236 27,857 28,766 29,336 29,844

TABLE VII
(Continued)

Group	1926	1927	1928	1929	1930	1931	1932
1	731	58	178	275	169	155	47
2	10	1238	18	12	112	16	184
3	55	5	6	59	43	-	-
4	112	-	85	84	-	-	-
5	8	22	12	34	47	62	7
6	10	15	49	9	11	-	4
7	-	-	-	-	-	-	-
8	-	-	40	-	-	-	-
9	39	-	125	-	-	-	-
10	-	-	23	-	-	-	-
11	-	84	-	12	-	-	-
12	2	-	-	106	-	-	20
13	2	50	12	-	-	-	-
14	-	-	2360	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	3	-	-	-
17	-	3	-	-	-	6	1
18	-	-	-	-	-	-	35
19	-	-	-	-	60	-	6
20	-	-	-	-	-	-	-
21	-	32	-	-	-	8	-
22	-	-	-	-	-	21	-
23	-	-	-	-	10	-	-
24	-	-	52	-	-	-	8
25	-	-	-	-	-	-	1
26	-	67	90	-	-	61	-
27	-	-	-	23	-	-	-
28	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
TOTALS	969	1,574	3,050	617	452	329	312
ACCUMULATIVE TOTAL	30,813	32,387	35,437	36,054	36,506	36,835	37,147

TABLE VII
(Concluded)

Group	1933	1934	1935	1936	1937	1938	TOTALS
1	85	183	25	225	107	113	6,567
2	5	-	51	200	32	-	10,026
3	51	24	-	6	-	-	2,017
4	-	16	-	10	9	-	1,346
5	29	10	-	6	18	6	3,056
6	-	8	-	2	16	100	2,255
7	-	-	-	-	-	-	34
8	-	-	-	9	-	-	149
9	-	-	-	530	14	-	792
10	-	15	-	25	-	29	549
11	-	35	-	-	3	-	2,287
12	11	-	-	-	10	-	91
13	10	55	-	-	5	-	1,222
14	-	45	-	120	-	-	3,691
15	-	-	-	-	-	-	-
16	-	-	-	3	10	-	768
17	17	-	-	-	-	-	178
18	-	-	-	4	-	-	114
19	-	-	-	-	-	-	447
20	-	-	-	-	-	-	1,014
21	-	6	-	-	-	-	34
22	5	-	-	40	-	-	146
23	-	-	-	-	-	-	149
24	-	-	12	-	-	-	174
25	-	-	-	-	-	-	785
26	-	-	46	-	38	-	828
27	-	-	-	-	-	-	487
28	-	-	-	-	-	-	79
29	75	-	-	-	-	-	271
30	-	-	-	-	-	-	190
TOTALS	213	379	134	1,255	262	248	39,656
ACCUMU- LATIVE TOTAL	37,360	37,757	37,891	39,146	39,408	39,656	

TABLE VIII

DISTRIBUTION OF INDUSTRIAL POPULATION
By 16 Census Types and Year of Establishment

Note: Only those years are shown in which at least one
of the present plants was established in Atlanta.

Group	1818	1833	1865	1866	1867	1868	1870	1872	1874	1876	1878	1879	1880	1881
1	-	-	-	-	-	100	-	-	-	-	85	-	-	-
2	-	-	-	-	-	-	2000	-	-	-	-	-	-	-
3	-	-	-	-	70	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	4	-	125	-	-	-	-	-	-
5	439	-	40	-	-	12	-	-	42	-	-	-	8	-
6	-	-	-	300	100	-	-	-	-	-	-	115	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	65	-	-	-	-	-	38	-	-	-	40
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	56	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	439	56	40	365	170	116	2000	125	42	38	85	115	8	40
ACCUMU- LATIVE TOTAL	439	495	535	900	1,070	1,186	3,186	3,311	3,353	3,391	3,476	3,591	3,599	3,639

TABLE VIII

(Continued)

Group	1882	1883	1884	1885	1886	1887	1889	1890	1891	1892	1893	1895	1896	1897
1	-	-	3	39	240	76	-	83	-	-	-	105	100	-
2	1200	150	-	75	-	-	60	-	15	-	-	379	1350	-
3	-	-	430	130	-	-	-	13	-	-	3	78	-	-
4	-	-	-	165	-	-	-	495	-	-	70	-	-	46
5	60	-	400	-	-	-	150	39	-	-	4	-	30	23
6	275	-	33	-	-	-	189	-	20	-	-	259	80	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	32	-	-	-	-	-	-
10	-	-	-	125	-	-	-	-	-	-	-	-	-	-
11	-	-	-	173	-	-	-	-	-	246	-	-	-	-
12	-	-	-	-	-	-	-	15	15	-	-	-	-	-
13	-	-	-	-	-	-	-	36	-	-	-	-	11	-
14	-	-	-	-	-	-	155	53	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	600	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	1,535	750	866	707	240	76	554	766	50	246	77	821	1,571	69
ACCUMU- LATIVE TOTAL	5,174	5,924	6,790	7,497	7,737	7,813	8,367	9,133	9,183	9,429	9,506	10327	11898	11967

TABLE VIII
(Continued)

Group	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
1	67	-	-	112	87	-	14	-	855	-	1	90	493	-
2	130	205	1254	100	11	126	-	-	312	-	-	144	-	-
3	-	-	-	42	-	-	133	-	-	-	18	-	156	50
4	-	-	4	-	-	-	-	-	11	-	20	-	-	-
5	-	279	-	-	35	67	67	-	479	13	-	11	54	42
6	-	15	300	300	-	-	12	8	6	-	-	160	15	10
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	1	-	-	-	-
10	-	-	5	-	-	6	7	-	40	-	-	-	-	-
11	63	80	216	-	-	70	-	18	25	-	50	-	-	-
12	-	-	-	200	-	-	-	-	-	14	31	45	-	-
13	11	23	-	-	240	-	40	-	-	6	12	4	37	7
14	-	-	-	-	-	-	-	-	20	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	27	350	-	17	-	-	-	48	-	-	50	-
TOTALS	271	602	1,806	1,104	373	286	273	26	1,748	82	132	454	805	109

ACCUMU-
LATIVE 12,238 12840 14646 15750 16123 16409 16682 16708 18456 18538 18670 19124 19929 20038
TOTAL

Page missing from thesis

TABLE VIII

(Concluded)

Group	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	TOTALS
1	731	58	178	275	169	155	47	85	183	25	225	107	113	6,567
2	10	1238	70	12	112	16	184	8	-	51	200	32	-	10,811
3	55	5	6	59	43	-	-	51	24	-	6	-	-	2,017
4	112	-	85	84	-	-	-	-	16	-	10	9	-	1,346
5	8	22	12	34	47	62	15	29	10	12	6	18	6	3,230
6	10	15	49	9	21	82	-	17	8	-	2	16	100	3,069
7	-	-	-	-	-	4	-	-	-	-	-	-	-	34
8	-	-	40	6	-	-	-	-	-	-	9	-	-	149
9	39	-	125	-	-	-	-	-	-	-	530	14	-	792
10	-	32	23	-	-	-	-	5	15	-	65	-	29	695
11	-	151	90	-	-	-	-	-	35	46	-	41	-	3,115
12	2	-	-	12	60	8	35	11	6	-	-	10	-	572
13	2	50	12	106	-	-	20	10	55	-	75	5	-	1,683
14	-	-	2360	-	-	-	-	-	45	-	120	-	-	3,601
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	3	26	-	6	7	-	-	-	-	7	10	-	1,975
TOTALS	969	1,574	3,050	617	452	329	312	313	397	134	1,255	262	248	39,656

ACCU-
MULATIVE

TOTAL 30813 32387 35437 36054 36506 36835 37147 37360 37757 37891 39146 39408 39656 -

TABLE IX

DISTRIBUTION OF INDUSTRIAL PLANTS
By 16 Census Types and Year of Establishment

Note: Only those years are shown in which at least one
of the present plants was established in Atlanta.

Group	1818	1833	1865	1866	1867	1868	1870	1872	1874	1876	1878	1879	1880	1881
1	-	4	-	-	-	1	6	-	-	-	1	-	-	-
2	-	-	-	-	-	-	1	-	-	-	-	-	-	-
3	-	-	-	-	1	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	1	-	1	-	-	-	-	-	-
5	1	-	1	-	-	1	-	-	1	-	-	-	1	-
6	-	-	-	2	2	-	-	-	-	-	-	1	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	1	-	-	-	-	-	1	-	-	-	1
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	1	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	1	1	1	3	3	3	1	1	1	1	1	1	1	1
ACCUMU- LATIVE TOTAL	1	2	3	6	9	12	13	14	15	16	17	18	19	20

TABLE IX
(Continued)

Group	1882	1883	1884	1885	1886	1887	1889	1890	1891	1892	1893	1895	1896	1897
1	-	-	1	2	1	1	-	2	-	-	-	1	1	-
2	1	1	-	1	-	-	1	-	1	-	-	1	2	-
3	-	-	2	1	-	-	-	1	-	-	1	1	-	-
4	-	-	-	1	-	-	-	2	-	-	1	-	-	1
5	1	-	1	-	-	-	1	2	-	-	1	-	1	2
6	1	-	1	-	-	-	3	-	-	-	-	1	1	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	1	-	-	-	-	-	-
10	-	-	-	1	-	-	-	-	-	-	-	-	-	-
11	-	-	-	1	-	-	-	-	-	1	-	-	-	-
12	-	-	-	-	-	-	-	1	1	-	-	-	-	-
13	-	-	-	-	-	-	-	1	-	-	-	-	1	-
14	-	-	-	-	-	-	2	1	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	1	-	-	-	-	-	-	1	-	-	-	-	-
TOTALS	3	2	5	7	1	1	7	11	3	1	3	4	6	3
ACCUMU- LATIVE TOTAL	23	25	30	37	38	39	46	57	60	61	64	68	74	77

TABLE IX
(Continued)

Group	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
1	2	-	-	1	1	-	1	-	2	-	1	2	3	-
2	1	1	4	1	1	2	-	-	1	-	-	2	-	-
3	-	-	-	1	-	-	1	-	-	-	1	-	1	1
4	-	-	1	-	-	-	-	-	1	-	1	-	-	-
5	-	2	-	-	1	2	3	-	4	1	-	1	3	3
6	-	1	1	1	-	-	1	1	1	-	-	1	1	1
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	1	-	-	-	-
10	0	-	1	-	-	1	1	-	2	-	1	-	-	-
11	1	1	1	-	-	1	-	1	1	-	1	-	-	-
12	-	-	-	1	-	-	-	-	-	1	1	1	-	-
13	1	1	-	-	2	-	1	-	-	1	-	1	2	1
14	-	-	-	-	-	-	-	-	1	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	1	1	-	1	-	-	-	1	-	-	1	-
TOTALS	5	6	9	6	5	7	8	2	13	5	6	8	11	6
ACCUMU- LATIVE TOTAL	82	88	97	103	108	115	123	125	138	143	149	157	168	174

TABLE IX
(Continued)

Group	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
1	1	-	4	2	3	2	-	4	4	2	4	3	-	5
2	1	-	1	2	1	-	-	-	3	3	1	1	2	-
3	-	2	-	2	-	1	1	-	-	1	2	1	1	-
4	-	-	-	-	1	-	1	-	1	-	1	-	-	1
5	1	1	1	-	1	2	-	2	6	8	2	6	6	7
6	-	1	-	3	-	1	-	2	5	3	3	2	2	3
7	-	-	-	-	-	-	-	-	-	1	-	-	-	-
8	-	-	-	1	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	1	-	-	1	-	-	1	1	-
10	-	-	-	-	-	1	-	2	-	2	2	-	1	1
11	-	1	-	2	1	1	1	1	1	2	-	-	-	-
12	1	-	1	-	-	-	-	2	2	-	-	1	1	1
13	1	1	3	2	1	1	-	4	2	2	1	-	-	3
14	2	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	2	-	-	-	-	1	1	2	2	2	1	-	1
TOTALS	7	8	10	14	8	10	4	18	27	26	18	16	14	22
ACCUMU- LATIVE TOTAL	181	189	199	213	221	231	235	253	280	306	324	340	354	376

TABLE IX

(Concluded)

Group	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	TOTALS
1	5	4	3	7	6	5	4	6	8	2	8	7	4	127
2	1	5	2	1	3	2	3	1	-	3	1	2	-	61
3	2	1	1	2	3	-	-	2	1	-	1	-	-	36
4	2	-	1	1	-	-	-	-	2	-	1	1	-	23
5	2	2	2	6	4	3	2	3	3	1	1	4	1	110
6	1	1	2	1	3	3	-	1	1	-	1	3	1	64
7	-	-	-	-	-	-	1	-	-	-	-	-	-	2
8	-	-	1	-	-	-	-	-	-	-	1	-	-	3
9	1	-	1	-	-	-	-	-	-	-	2	1	-	11
10	-	2	1	-	-	-	-	1	1	-	3	-	2	25
11	-	3	2	-	-	-	-	-	1	2	-	3	-	30
12	1	-	-	1	1	1	1	1	1	-	-	1	-	23
13	1	3	1	3	-	-	1	1	4	-	1	1	-	54
14	-	-	3	-	-	-	-	-	1	-	2	-	-	12
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	1	-	2	-	1	2	-	-	-	2	1	-	29
TOTALS	16	22	20	24	20	15	14	16	23	8	24	24	8	610
ACCUMU- LATIVE TOTAL	392	414	434	458	478	493	507	523	546	554	578	602	610	-